

**In the Abstract:**

Please replace the "Abstract" section with the following amended paragraph as follows:

**ABSTRACT OF THE DISCLOSURE**

A multowell plate (52) having a plurality of picowells (46) on the bottom of the wells of the plate as well as methods of producing the multowell plate are provided. Provided is also a method of handling living cells (48) by providing an ordered array of living cells immobilized in a non-fluid matrix, contacting the living cells with a stimulus; and detecting a response to the stimulus. The present invention is also of a method of producing an ordered array of living cells.